



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 15]

नई दिल्ली, शनिवार, अप्रैल 15, 1967 (चैत्र 25, 1889)

No. 15]

NEW DELHI, SATURDAY, APRIL 15, 1967 (CHAITRA 25, 1889)

इस भाग में निम्न पृष्ठ संख्या दी जाती है जिससे कि यह भलग संकलन के रूप में रखा जा सके

Separate paging is given to this Part in order that it may be filed as a separate compilation

## भाग III—खण्ड 4

## PART III—SECTION 4

विभिन्न निकायों द्वारा जारी की गई विविध अधिसूचनाएं जिसमें अधिसूचनाएं, आदेश, विज्ञापन और सूचनाएं सम्मिलित हैं

Miscellaneous Notifications including Notifications, Orders, Advertisements and Notices  
issued by the Statutory Bodies

## RESERVE BANK OF INDIA

Central Office

Agricultural Credit Department

Bombay-1, the 4th April 1967

ACD, No. 3/A-18-66/67.—In pursuance of sub-section (2) of section 36A read with clause (za) of section 56 of the Banking Regulation Act, 1949, the Reserve Bank of India hereby notifies that the following banks have ceased to be primary co-operative banks within the meaning of the said Act :—

Name of the primary co-operative bank	State
1. The Binny's Engineering Works Ltd., Employees' Co-operative Credit Society Ltd., Madras.	Madras
2. The States' People (Pvt.) Ltd., Employees' Co-operative Credit Society Ltd., Bombay.	Maharashtra
3. The Khatau Makani Sng. & Wvg. Mill's Employees' Co-operative Credit Society Ltd., Bombay.	Maharashtra
4. The Vasant Vijay Mills Employees' Co-operative Credit Society Ltd., Bombay.	Maharashtra
5. The Estrela Batteries Ltd., Employees' Co-operative Credit Society Ltd., Bombay.	Maharashtra

C. D. DATEY  
Chief Officer

## (Department of Non-Banking Companies)

Calcutta-1, the 4th April 1967

Premature repayment of deposits by non-banking financial companies

Ref. DNBC, No. 2929/ED(S)-67.—In pursuance of the proviso to paragraph 9 of the Non-Banking Financial Companies (Reserve Bank) Directions, 1966, the Reserve Bank of India hereby makes the following order regarding the payment of interest in respect of the deposits returned or repaid in advance of the dates on which they are due to be repaid, namely :—

(i) No interest shall be payable, in respect of any deposit which is returned or repaid before the expiry of six months from the date of receipt of the said deposit in the case of hire-purchase finance companies or twelve months from the date of receipt of such deposit in the case of other non-banking financial companies;

(ii) Non-banking financial companies may, in respect of any deposit which is returned or repaid, on or after the expiry of six months from the date of receipt of such deposit in the case of hire-purchase finance companies and twelve months from the date of receipt of such deposit in the case of other financial companies, if the said deposit is returned or repaid before maturity, pay interest at a rate which shall not exceed the relevant rate specified hereunder :

Maximum  
permissible  
rate per cent.  
per annum

(a) on any deposit returned or repaid on or after the expiry of six months but before the expiry of nine months from the date of receipt of the deposit (in the case of hire-purchase finance companies only)

	Maximum permissible rate per cent. per annum	Maximum permissible rate per cent. per annum
(b) on any deposit returned or repaid on or after the expiry of nine months but before the expiry of one year from the date of receipt of the deposit (in the case of hire-purchase finance companies only)	4½	
(c) on any deposit returned or repaid on or after the expiry of one year but before the expiry of two years from the date of receipt of the deposit (in the case of all non-banking financial companies)	5	
(d) on any deposit returned or repaid on or after the expiry of two years but before the expiry of three years from the date of receipt of the deposit (in the case of all non-banking financial companies)	5½	
(e) on any deposit returned or repaid on or after the expiry of three years but before the expiry of five years from the date of receipt of the deposit (in the case of all non-banking financial companies)	5½	
(f) on any deposit returned or repaid on or after the expiry of five years from the date on which the deposit was received but before the expiry of the period for which the deposit was originally accepted (in the case of all non-banking financial companies)	6	
This order supersedes any previous instructions issued in this regard.		
Premature repayment of deposits by non-banking non-financial companies		
Ref. DNBC, No. 2930/ED(S)-67.—In pursuance of the proviso to paragraph 9 of the Non-Banking Non-Financial Companies (Reserve Bank) Directions, 1966, the Reserve Bank of India hereby makes the following order regarding the payment of interest in respect of the deposits returned or repaid in advance of the dates on which they are due to be repaid, namely :—		
(i) No interest shall be payable in respect of any deposit which is returned or repaid before the expiry of twelve months from the date of receipt of the said deposit;		
(ii) Non-banking Non-financial companies may, in respect of any deposit which is returned or repaid on or after the expiry of twelve months from the date of receipt of such deposit, if the said deposit is returned or repaid before maturity, pay interest at a rate which shall not exceed the relevant rate specified hereunder :—		
	Maximum permissible rate per cent. per annum	
(a) on any deposit returned or repaid on or after the expiry of one year but before the expiry of two years from the date of receipt of the deposit		
(b) on any deposit returned or repaid on or after the expiry of two years but before the expiry of three years from the date of receipt of the deposit	5½	
(c) on any deposit returned or repaid on or after the expiry of three years but before the expiry of five years from the date of receipt of the deposit	5½	
(d) on any deposit returned or repaid on or after the expiry of five years from the date on which the deposit was received but before the expiry of the period for which the deposit was originally accepted	6	
This order supersedes any previous instructions issued in this regard.		
R. K. SHESHADRI Executive Director.		
<b>STATE BANK OF INDIA</b>		
<b>Central Office</b>		
Bombay, the 3rd April 1967		
No. SBS. No. 1/1967.—In pursuance of sub-section (2) of Section 26 of the State Bank of India (Subsidiary Banks) Act, 1959 (38 of 1959), the term of appointment of Shri Sohanlal G. Sanghi, nominated as a Director on the Board of the State Bank of Indore under clause (c) of sub-section (1) of Section 25 of the Act ( <i>ibid</i> ) expires on the 28th April 1967.		
2. It is hereby notified for general information that in pursuance of clause (c) of sub-section (1) of Section 25 of the Act ( <i>ibid</i> ), the State Bank of India, in consultation with the Reserve Bank of India, has renominated Shri Sohanlal G. Sanghi as a Director on the Board of the State Bank of Indore with effect from the 29th April 1967.		
V. T. DEHEJIA Chairman.		
<b>STATE BANK OF PATIALA</b>		
<b>NOTICE</b>		
Patiala, the 1st April 1967		
SBP. No. 13.—The undernoted change in the posting of Bank's staff is hereby notified :—		
1. Shri L. D. Khanna, Officer Grade 'B', held charge of Advances Department, in addition to Central Accounts Section, from 17th February to 20th February, 1967, and from 21st March to 23rd March, 1967 and on the 29th March, 1967, vice Shri K. V. Anand.		
K. SUBRAMANIAN General Manager.		
<b>MINISTRY OF LABOUR, EMPLOYMENT AND REHABILITATION</b>		
<b>(Deptt. of Labour &amp; Employment)</b>		
<b>Office of the Chief Inspector of Mines and Chairman, Board of (Metalliferous) Mining Examinations</b>		
Dhanbad, the 5th April 1967		
<b>BYE-LAWS FOR CONDUCT OF EXAMINATIONS FOR AND GRANT OF MANAGER'S CERTIFICATE OF COMPETENCY RESTRICTED TO MINES HAVING OPENCAST WORKINGS ONLY.</b>		
No. Board/MM/3497/67.—In accordance with the provision laid down in Sub-regulation (4) of Regulation 13 of the Metalliferous Mines Regulations, 1961, the following bye-laws made under the said sub-regulation for the conduct of examinations for and grant of Manager's Certificate of Competency restricted to mines having open-cast workings only under Regulation 16 of Metalliferous Mines Regulations, 1961 are hereby published.		
1. Type and Extent of Training—(1) For purpose of clause (a) of Regulation 16(2).		
(a) Practical experience as a workman on different operations shall be approved as below :		
Experience in blasting .. Upto 18 months.		

- (ii) Experience in taking samples of rock, ore or mine dust and analysing the same; experience as survey assistant or chainman. Upto 18 months (including experience under sub-clause (b) and Clause (2)).
- (iii) Experience as a face worker or operator of machinery; experience on transport and haulage work; experience in ore handling and preparation plant; experience as electrician or mechanic. Upto 24 months.
- (b) Practical experience as a mining apprentice shall be approved as below :—
- (i) Experience on general mining work. In full.
- (ii) Experience on quality control planning and survey work. Upto 12 months.
- (iii) Experience in drilling and prospecting work. Upto 12 months.
- (iv) Experience in transport and ore-handling work; Experience in workshop. Upto 12 months.
- (2) For purposes of clause (b) of Regulation 16(2), practical experience of mine officials shall be approved as below :—
- (i) Experience as mining mate, mine foreman, safety officer, assistant manager or in any equivalent position. In full.
- (ii) Experience in quality control, planning and survey work. Upto 12 months (including period of practical experience if any on survey work as mining apprentice).
- (iii) Experience in drilling and prospecting work. Upto 12 months (including period of practical experience, if any, on drilling and prospecting work as mining apprentice).
- (iv) Experience in transport and ore handling work and in workshop. Upto 12 months (including period of practical experience if any, on transport ore handling and in workshop as mining apprentice).

Experience in the capacity of other officials may be approved to an extent determined by the Board, provided that such official exercised real responsibility involving actual control and direction of some type of mining work. In case of such experience the exact nature of work performed and degree of responsibility should be stated in the certificate.

(3) For purposes of Regulation 19, only such practical experience in coal mines would be approved as has been obtained in mines having an average monthly output of not less than 2,500 tons of coal, and the extent of experience approved shall depend on the size, and degree of mechanisation of the mines and the nature of experience obtained.

(4) The practical experience of a candidate shall be approved only upto 60 days before the date of commencement of the examination.

(5) Practical experience extending over a period of less than three months in case of workers, and four weeks in case of officials and mining apprentices, at a time shall not be approved.

(6) Every certificate of practical experience should contain precise information about the capacity in which the candidate worked, the nature of work done, and the date of commencement and termination of experience at each mine. No certificate of practical experience shall be

considered unless it is granted by the manager of the mine. Every such certificate shall also carry the signature of the applicant, attested by the manager. Every certificate obtained after the publication of these byelaws, shall be in a form prescribed by the Board.

2. *Frequency of examination*—After the date specified in this behalf by the Board, the examinations shall be held once at least in every year.

3. *Applications to be supported by original certificates etc.*—No application shall be considered unless it is supported by original certificates as to qualifications, practical experience, age, sound health, first-aid and character, and is accompanied by evidence that the prescribed fee has been paid. The certificate of practical experience shall not be returned to the candidate.

4. *Appointment of examiners*—(1) So far as practicable, the examiners appointed by the Board for each of the examinations for the First Class Manager's Certificate and the Second Class Manager's Certificate shall be two or more mining engineers, each holding the First Class Manager's Certificate and an Inspector of Mines who shall also act as the secretary for the examination.

(2) Except in an emergency, no member of the Board shall act as an examiner.

5. *Subject and Syllabus for examination*—(1) The candidates shall be examined in the following subjects :

- Winning and Working.
- Mining Machinery.
- Mine Surveying.
- Mine Management, Legislation and General Safety.

(2) The syllabus for the examination for the First Class Manager's Certificate shall be as laid out in Appendix I, and for the Second Class Manager's Certificate shall be as laid out in Appendix II.

6. *Type of examination*—(1) The examination for each subject shall consist of a written paper, (of three hours' duration) and an oral test, so however that, in case of candidate who has not reached the standard laid down in Byelaw 8(1), the examiners may eliminate the oral test.

(2) Questions for each written paper shall be prepared by the examiner concerned and submitted to the Board. Every question paper shall be set by the Board in consultation with the examiner concerned.

(3) The oral test may be held at a date after the written examination and notified to every candidate concerned by the Secretary. The notice shall also indicate the place of the oral test.

7. *Subject Marks*—Every subject shall carry a total maximum of 140 marks, a maximum of 100 marks for the written paper and of 40 marks for the oral test.

8. (1) In order to qualify for the oral test, a candidate must obtain, in the written examination, not less than 40 per cent of the maximum marks each in at least three of the four papers and not less than 50 per cent of maximum marks of the four papers taken together.

(2) In order to pass the examination, a candidate must obtain :

- not less than 40 per cent of the maximum marks in each of the four subjects, taking the written examination and the oral test separately,
- not less than 50 per cent of the maximum marks in aggregate of the written examination and the oral test, taken separately, and
- an aggregate of not less than 60 per cent of the maximum marks of the written examination and the oral test taken together.

9. *Re-examination in one or more subjects*—(1) If a candidate has satisfied the provisions of clauses (i) and (iii) of byelaw 8(2) and has also obtained not less than 40 per cent of the maximum marks in the oral test in each of the subjects, but has failed to obtain 40 per cent of the maximum marks in the written examination in one of the four subjects, he shall be eligible for re-examination in the subject in which he has so failed, at the next succeeding two written examinations.

(2) If a candidate has obtained :

- (i) in the written examination not less than 40 per cent of the maximum marks in each of the subjects, and not less than 60 per cent of the maximum marks in all the subjects taken together.
- (ii) in the oral test, not less than 50 per cent of the maximum marks in aggregate but has failed to obtain 40 per cent of the maximum marks in any one or two subjects,

he shall be eligible for re-examination in the subject or subjects in which he has so failed, at the next two succeeding oral tests.

(3) Every candidate who becomes eligible to be re-examined under Clause (1) and (2) of this Byelaw, shall be duly informed of the fact by the Secretary.

Provided that if any such candidate is unable, by reason of illness, to attend at the next succeeding examination aforesaid, he may at the discretion of the Board be permitted to be re-examined at the next respective succeeding examination.

(4) A candidate re-examined under this Byelaw shall be deemed to have passed in the examination as a whole if he obtains not less than 60 per cent of the maximum marks in the written paper or the oral tests, as the case may be, in the subject or subjects concerned.

10. *Conduct of the Written Examination*—All candidates shall conduct themselves as required by the Secretary. The rules laid down in Appendix III shall apply to the conduct of the written examination.

11. *Penalty for misconduct*—Any candidate who submits a false certificate or counterfeits a certificate or makes a false declaration or adopts unfair means during the examination, may be disqualified by the Board and also debarred from appearing at any subsequent examination for a specified period not exceeding three years depending upon the facts of the case.

12. *Declaration of Results*—The results of the examinations, as approved by the Board, shall be announced by the Secretary on a date fixed by the Board.

13. *Cancellation of Result etc.*—If a candidate who has been declared successful in any examination for the grant of a certificate or who has been granted a certificate, is found to have submitted a false certificate or to have counterfeited a certificate or to have made a false declaration, the Board may cancel his result or withdraw the certificate issued to him, as the case may be.

#### APPENDIX I

(See Bye-law 5)

#### SYLLABUS FOR EXAMINATION FOR FIRST CLASS MANAGER'S CERTIFICATE OF COMPETENCY RESTRICTED TO MINES HAVING OPEN-CAST WORKING ONLY

##### (a) *Winning and working*

Mineral deposits, their classification, Prospecting and application of geology to mining.

Methods of boring. Boring through disturbed strata. Borehole surveying.

Methods of Opencast mining; Different layouts. Mechanised work with deephole blasting and heavy machinery. Modern layouts and designs. Benching and other safety precautions.

Refuse Dumps. Sampling and Mine Valuation. Quality control.

Use of explosives. Blasting techniques; and their relative efficiency. Safety precautions.

##### (b) *Mining Machinery.*

Strength of materials. Applied Mechanics.

Machine Design. Different types of gears and drives. Bearings collars and joints. Brakes and friction clutches. Governors.

Machine tools and workshop processes.

Generation, transmission and utilization and power. Efficiency of power systems; Compressed air, electricity and steam. Safety aspects.

Air compressors and auxiliary equipment. Transmission of compressed air. Air turbines and air engines.

Application of electricity in opencast mines. Portable electrical equipment. Motors, Switchgear, Other appliances. Circuit protection, remote control and safety precautions. Electric cables, their installation.

Heat engines. General outline of working principles of steam generators and auxiliary equipment, Condensing plant. Reciprocating steam engines. Turbines. Internal combustion engines. Conduct of gas, oil and steam engine trials. Boilers trials.

Mechanical efficiency of engines. Measurement of indicated and brake horsepower.

Drilling loading and levelling machines, and other modern mining machinery for opencast mines.

Design of haulage and drainage systems.

Haulage and Transport. Haulage systems and layouts. Types of rope haulages, locomotives, conveyors. Details of haulage roads, rails and tracks. Self-acting inclines. Road Transport. Aerial ropeways. Safety devices.

Pumping. Types of pumps. Laying of water mains. Dealing with acid water. Drainage. Lodgements.

Plants for screening, sizing and Beneficiation of minerals. Despatch.

##### (c) *Mine Surveying.*

Measurement of distances. Chain surveying. Errors in chaining and plotting. Optical square.

Plan table surveying.

Use of magnetic needle. Magnetic declination; its determination. Forms of compass instruments. Dialling. Loose and fast needle surveying.

Theodolites; types, adjustments and uses. Triangulation. Base-line and angle measurement. Precise traversing. Traversing along steep topography with or without auxiliary telescopes. Tacheometry.

Levels, Geometric, trigonometric and physical levelling. Contours and contouring. Traverse, co-ordinates and levelling problems.

Use, care, testing and adjustment of instruments.

Plotting by protractor and co-ordinates. Use of scales and drawing instruments.

Surveying calculations.

Computation of areas and volumes Earthwork. Building estimation.

Laying out of rail-curves on surface including inclined roads. Laying out of truck and dumps roads.

Principles of reinforced concrete construction, including design of beams, columns, retaining walls and other structures. Properties of other building material.

Determination of azimuth, latitude and longitude.

Propagation of azimuth, latitude and longitude.

Types of plans for opencast mines. Their preparation, care storage and preservation.

Sampling, and Valuation of mineral deposits. Reserve calculations.

Legislation concerning mine plans and sections for opencast mines. Duties and responsibilities of surveyors. Geological map reading.

(d) *Mine Management, Legislation and General Safety*

Mine Organisation, Principles of management and Industrial discipline, personnel management.

Recruitment, selection, training and control of staff.

Mines Act, the Metalliferous Mines Regulations, and Rules etc. made under the Act as applicable to mines having opencast working only. Electricity Act and Rules applicable to mines having opencast workings only. Other legislation applicable to mines having opencast working only.

Accidents. Their causes and prevention. Accident statistics and analysis. Rates of accidents. Bearing of accidents on efficiency. Accident reports.

First aid and ambulance work.

Investigation after surface mine fires. Fire fighting.

Silicosis and pneumoconiosis. Physiological aspect of breathing in dustladen atmospheres. Dust-sampling and sampling instruments. Methods of counting and analysis.

Other miners' diseases. Their symptoms, prevention and treatment.

Lighting in opencast workings. General principles of artificial lighting.

Sanitation and health.

## APPENDIX II

(See Bye-law 6)

### SYLLUBS FOR EXAMINATION FOR SECOND CLASS MANAGER'S CERTIFICATE OF COMPETENCY RESTRICTED TO MINES HAVING OPENCAST WORKING ONLY

(a) *Winning and Working*

Mineral deposits and their classification.

Method of boring. Boring through disturbed strata.

Methods of opencast mining. Different layouts. Mechanised work with deephole blasting and heaving machinery. Benching and other safety precautions. Refuse dumps.

Use of explosives. Blasting techniques; and their relative efficiency. Safety precautions.

Sources of danger from water. Precautions to prevent inundation. Water dams. Water danger plans.

(b) *Mining Machinery*

Strength of materials. Applied Mechanics.

Different types of gears and drives. Bearings and joints. Brakes.

Machine tools and workshop processes.

Generation, transmission and utilization of power. Compressed air, electricity and steam. Safety aspect.

Air Compressors and Compressed air engines. Transmission of compressed air.

Application of electricity in opencast mines. Portable electrical equipment. Motors, switchgear, electric cables, their installation. Safety precautions.

General outline of working principles of steam generators. Reciprocating steam engines. Internal combustion engines.

Drilling, loading and other machines for use in opencast mine.

Design of haulage and drainage systems.

Haulage and transport. Haulage systems and layouts. Types of haulages. Rope haulages. Details of haulage roads, rails and tracks. Self-acting inclines. Road Transport. Safety devices.

Pumping. Types of pumps. Laying of water mains. Dealing with acid water. Drainage. Lodgements.

Plants for screening, sizing and loading of mineral ores.

(c) *Mine Surveying.*

Measurement of distances. Chain surveying Errors in chaining and plotting. Optical squares.

Plane table surveying.

Use of magnetic needle. Magnetic declination; its determination. Forms of compass instruments. Dialling. Loose and fast needle surveying.

Levels. Geometrical and physical levelling. Contours and contouring.

Traverse and levelling problems.

Use, care, testing and adjustment of instrument.

Plotting by protractor and co-ordinates. Use of scales and drawing instruments.

Outcrop problems. Surveying calculations.

Computation of areas and volumes. Earthwork.

Laying out of rail-curves on surface including inclined roads.

Types of plans for opencast mines. Their preparation, care, storage and preservation.

Sampling and reserve calculation.

Legislation concerning mine plans and sections for opencast mines. Geological map reading.

(d) *Mine Management, Legislation and General Safety.*

Mine Organisation. Recruitment, training and control of staff.

Mines Act, Metalliferous Mines Regulations and Rules etc. made under the Act as applicable to mines having opencast workings only.

Accidents. Their cause and prevention. Accident reports. First Aid.

Silicosis and pneumoconiosis Dust-sampling and analysis Other miners' diseases. Their symptoms. Prevention and treatment.

Sanitation and health.

## APPENDIX III.

(See By-law 10)

### RULES GOVERNING THE CONDUCT OF THE WRITTEN EXAMINATION

1. No candidate shall be admitted into the examination hall until he has produced an authorisation issued by the Secretary. No candidate arriving more than 30 minutes late shall be permitted to attend the examination; no candidate arriving late shall be eligible for any extra compensatory time.

2. Before entering the examination hall, every candidate shall leave all books, notes and papers etc. outside.

3. Every candidate shall be required to sign in a register in which his roll number would be recorded.

4. Paper will be supplied, and no paper other than that so supplied shall be used.

5. Names shall not be written on the answer book. Every candidate shall write his roll number on the slip attached to the answer book and no where else. Any person who writes his roll number or name or initials etc. on his answer book is liable to be disqualified.

6. Ink will be provided. Candidates shall bring their own pens and pencils, drawing pens and drawing instruments, including protractor.

7. Candidates will be supplied with logarithmic tables if considered necessary by the examiner.

8. The calculations and other work by which a result is obtained shall be clearly shown on the left-hand side page, in immediate connection with the answer to the question under reference.

9. Sketches may be made to illustrate answers. When sketches are asked for, it should be understood that, unless otherwise stated, free hand sketches with dimensions are all that is necessary; and candidates need not spend time in making finished drawings.

10. Any candidate desiring to consult the examiner or requiring any paper or other material should stand in his seat to draw attention, but should not call out.

11. Any candidate speaking to any other candidate, or consulting any book or notes, or using paper other than that supplied by the Board, or using any other unfair means or acting in a manner considered improper by the examiner, shall be liable to be disqualified.

12. No candidate shall leave the examination hall before the expiry of one hour after the commencement of the examination.

13. When a candidate has completed the answers to the questions or when the time allowed for answering the questions has elapsed, or when a candidate has been disqualified under Rule 11, he must hand over the answer book to the Secretary and at once leave the examination hall.

#### BYE-LAWS FOR CONDUCT OF EXAMINATIONS FOR AND GRANT OF MINE SURVEYOR'S CERTIFICATE OF COMPETENCY RESTRICTED TO MINES HAVING OPENCAST WORKINGS ONLY

*No. Board/MM/3498/67.*—In accordance with the provision laid down in Sub-regulation (4) of Regulation 13 of the Metalliferous Mines Regulations, 1961, the following bye-laws made under the said sub-regulation for the conduct of examinations for and grant of Surveyor's Certificate of Competency restricted to Mines having opencast workings only under Regulation 17 of Metalliferous Mines Regulations, 1961 are hereby published.

1. *Type and Extent of Training.*—(1) The practical experience of a candidate shall be approved only up to 60 days before the date of commencement of the examination.

(2) Practical experience extending over a period of less than four weeks at a time shall not be approved.

(3) Every certificate of practical experience should contain precise information about the capacity in which the candidate worked, the nature of work done, and the date of commencement and termination of experience at each mine. No certificate of practical experience shall be considered unless it is signed by the Manager of the mine or in case of persons employed in an organisation other than a mine which is concerned with surveying the workings of a mine, by the officer-in-charge of the survey work. Every such certificate shall also carry the signature of the applicant, attested by the Manager or the Officer-in-charge as the case may be. Every certificate obtained after the publication of these bye-laws shall be in a form prescribed by the Board.

2. *Frequency of examinations.*—The examinations shall be held once at least in every year.

3. *Applications to be supported by original certificate, etc.*—No application shall be considered unless it is supported by original certificates as to qualifications, practical experience, age, sound health, First-Aid and character, and is accompanied by evidence that the prescribed fee has been paid. The certificates of practical experience shall not be returned to the candidate.

4. *Appointment of Examiners.*—(1) So far as practicable the examiners appointed by the Board shall be a person holding the Mines Surveyor's Certificate or First Class Managers' Certificate and an Inspector of Mines who shall also act as the Secretary for the examination.

(2) Except in an emergency, no member of the Board shall act as an examiner.

5. *Syllabus and Type of Examination.*—(1) The examination shall consist of one written paper and an oral test; so however that, in case of candidate who has obtained an aggregate of less than 50 marks in the written paper, the examiners may eliminate the oral test.

(2) The syllabus for the examination shall be as laid down in Appendix I.

(3) Questions for each written paper shall be prepared by the examiner concerned and submitted to the Board. The question paper shall be set by the Board in consultation with examiner concerned.

(4) The oral test may be held at a date after the written examination and notified to every candidate concerned by the Secretary. The notice shall indicate the place of the oral test.

6. *Subject marks.*—The examination shall carry a total maximum of 160 marks, a maximum of 100 marks for the written paper and of 60 marks for the oral test.

7. *Qualifying and Pass Marks, etc.*—In order to qualify for the oral test, a candidate must obtain not less than 50 marks in the written examination; and in order to pass the examination, not less than 30 marks in the oral test and a total aggregate of not less than 96 marks.

8. *Conduct of the Written Examination.*—All candidates shall conduct themselves as required by the Secretary. The rules laid down in Appendix II shall apply to the conduct of the written examination.

9. *Penalty for misconduct.*—Any person who submits a false certificate or counterfeits a certificate or makes a false declaration or adopts unfair means during the examination, may be disqualified by the Board and also debarred from appearing at any subsequent examination for a specified period not exceeding three years depending upon the facts of the case.

10. *Declaration of Results.*—The results of the examinations, as approved by the Board, shall be announced by the Secretary on a date fixed by the Board.

11. *Cancellation of Result, etc.*—If a candidate who has been declared successful in any examination for the grant of a certificate, or who has been granted a certificate, is found to have submitted a false certificate or to have counterfeited a certificate or to have a false declaration, the Board may cancel his result or withdraw the certificate issued to him, as the case may be.

#### APPENDIX I

(See Bye-law 5)

#### SYLLABUS FOR THE EXAMINATION FOR THE MINE SURVEYOR'S CERTIFICATE OF COMPETENCY RESTRICTED TO MINES HAVING OPENCAST WORKINGS ONLY

Measurement of distances, Chain Surveying. Errors in chaining and plotting. Optical square.

Plane table surveying.

Use of magnetic needle. Magnetic declination; its determination. Forms of compass instruments. Dialing. Loose and fast needle surveying.

Theodolites; types, adjustments and uses. Triangulation. Base-line and angle measurements. Precise Traversing.

Traversing along steep topography with or without auxiliary telescopes.

Techeometry.

Level. Geometrical, trigonometric and physical levelling. Contours and contouring.

Traverse, Co-ordinates and levelling problems.

Use, care, testing and adjustment of instruments.

Plotting by protractor and co-ordinates. Use of scales and drawing instruments.

Surveying calculations.

Computation of areas and volumes. Earthwork. Building estimations.

Principles of reinforced concrete construction, including design of beams, columns, retaining walls and other structures.

Properties of other building material.

Determination of azimuth, latitude and longitude.

Propagation and adjustment of errors. Theory of errors.

Types of plans for opencast mines. Their preparation, care, storage and preservation.

Sampling and Valuation of Mineral deposits.

Legislation concerning mine plans and sections. Duties and responsibilities of surveyors.

Geological map reading.

## APPENDIX II

(See Bye-laws 8)

### RULES GOVERNING THE CONDUCT OF THE WRITTEN EXAMINATION

1. No candidate shall be admitted into the examination hall until he has produced an authorisation issued by the Secretary. No candidate arriving more than 30 minutes late shall be permitted to attend the examination; no candidate arriving late shall be eligible for any extra compensatory time.
2. Before entering the examination hall, every candidate shall leave all books, notes and papers etc. outside.
3. Every candidate shall be required to sign in a register in which his roll number would be recorded.
4. Paper will be supplied, and no paper other than that so supplied shall be used.
5. Names shall not be written on the answer book. Every candidate shall write his roll number on the slip attached to the answer book and nowhere else. Any person who writes his roll number or name or initials etc., on his answer book is liable to be disqualified.
6. Ink will be provided. Candidates shall bring their own pens and pencils, drawing pens and drawing instruments, including protractor.
7. Candidates will be supplied with logarithmic tables if considered necessary by the examiner.
8. The calculations and other work by which a result is obtained shall be clearly shown on the left-hand side page, in immediate connection with the answer to the question under reference.
9. Sketches may be made to illustrate answers. When sketches are asked for, it should be understood that,

unless otherwise stated, free hand sketches with dimensions are all that is necessary; and candidates need not spend time in making finished drawings.

10. Any candidate desiring to consult the examiner or requiring any paper or other material should stand in his seat to draw attention, but should not call out.
11. Any candidate speaking to any other candidate, or consulting any book or notes, or using paper other than that supplied by the Board, or using any other unfair means or acting in a manner considered improper by the examiner, shall be liable to be disqualified.
12. No candidate shall leave the examination hall before the expiry of one hour after the commencement of the examination.
13. When a candidate has completed the answers to the questions or when the time allowed for answering the questions has elapsed, or when a candidate has been disqualified under Rule 11, he must hand over the answer book to the Secretary and at once leave the examination hall.

### BYE-LAWS FOR THE CONDUCT OF EXAMINATIONS FOR AND GRANT OF BLASTER'S CERTIFICATE OF COMPETENCY RESTRICTED TO MINES HAVING OPENCAST WORKINGS ONLY

No. Board/MM/3499/67.—In accordance with the provision laid down in Regulation 13(4) of the Metalliferous Mines Regulations, 1961, the following Bye-laws for the conduct of examinations for and grant of Blaster's Certificate of Competency restricted to mines having opencast workings only, are hereby made.

1. *Type and extent of training.*—(1) Only such practical experience in surface and opencast work would be approved as has been obtained in mines having an average employment of not less than 25 persons.

(2) Practical experience extending over a period of less than three months in case of workers, and four weeks in case of officials and mining apprentices, at a time shall not be approved.

(3) Every certificate of practical experience should contain precise information about the capacity in which the candidate worked, the nature of work done, and the dates of commencement and termination of experience at each mine. No certificate of practical experience shall be considered unless it is granted by the manager of the mine.

(4) Any candidate who submits a false certificate or counterfeits a certificate or makes a false declaration or adopts unfair means during the examination, may be disqualified by the Board and also debarred from appearing at any subsequent examination for specified period not exceeding three years depending upon the facts of the case.

2. *Application to be supported by original certificate etc.*—No application shall be considered unless it is supported by original certificates as to qualifications, if any, literacy, practical experience, age, sound health, first-aid and character, and is accompanied by evidence that the prescribed fee has been paid.

3. *Holding of examinations.*—Examinations shall be held at such times and such places as may be fixed by the Board and notified to the candidate. The examination fees of a candidate who fails to appear for an examination at the appointed place and time without sufficient cause to the satisfaction of the Chief Inspector shall be forfeited.

4. *Appointment of Examiners.*—(1) So far as practicable, the examiners appointed by the Board for each examination shall be one manager or assistant manager holding the First or Second Class Manager's Certificate and an Inspector of Mines who shall also act as the Local Secretary.



(2) Except in an emergency, no member of the Board shall act as an examiner.

5. *Type of examination.*—(1) The examination shall be conducted orally in Hindi or in the language of the district in which examination is held.

(2) Candidates shall be examined in the following subjects :

- (i) Charging and firing of shots of gunpowder and high explosives in opencast workings; sources of accidents in the handling and use of explosives.
- (ii) Provisions of the Metalliferous Mines Regulations and Rules and Bye-laws made under the Mines Act, 1952 relating to the handling and use of explosives on the surface and in opencast workings, and to the duties of blasters in respect of such handling and use.
- (iii) Methods of examining working places after blasting; and rendering them safe.
- (iv) Dealing with misfires.
- (v) Writing of reports.

6. *Conduct of the examination.*—Every candidate shall conduct himself as required by the Local Secretary of the examination.

7. *Identity of candidates, etc.*—(1) At the time of examination, every candidate shall hand over the authorisation issued to him for appearing in the examination and two unmounted photographs of himself (of a size approximately 5 cm.×6.5 cm.) to the Local Secretary for the examination who after satisfying himself that each photograph is a likeness of the candidate shall endorse each of them on the back with the same of the candidate.

(2) The secretary of the examination shall record the left hand thumb impression of every candidate.

8. *Successful candidates.*—In order to qualify, a candidate must obtain not less than 40 per cent of the maximum marks in each subject and not less than 60 per cent of the total marks.

9. *Unsuccessful candidates.*—A candidate who has failed in an examination for a Blaster's Certificate shall not be eligible for re-examination for a period of three months from the date of the examination in which he failed.

*No. BOARD-MM/3500/67.*—In accordance with the provision laid down in sub-regulation (4) of Regulation 13 of the Metalliferous Mines Regulations, 1961, the following bye-laws made under the said sub-regulation for the conduct of medical examination under sub-regulation (1) of Regulation 30 of the Metalliferous Mines Regulations, 1961 are hereby published :—

#### BYE-LAWS FOR THE CONDUCT OF MEDICAL EXAMINATION UNDER SUB-REGULATION (1) OF REGULATION 30 OF THE METALLIFEROUS MINES REGULATIONS, 1961

1. *Application for examination.*—An application for a medical examination under sub-regulation (1) of Regulation 30 of the Metalliferous Mines Regulations, 1961 shall be made by the candidate to the Chief Inspector not less than four months prior to the date on which such medical examination is due.

2. *Examination and Examiners.*—(1) So far as practicable the examiners appointed by the Chief Inspector for each medical examination under this regulation shall be two registered medical practitioners. Every examiner shall be paid a fee of Rs. two for every candidate examined.

(2) The applicant may be required to appear for medical examination at such time and at such place as may be communicated to the applicant in writing. While at the place of the examination, every candidate shall conduct himself as required by the examiners.

3. *Standard of fitness, etc.*—(1) For ascertaining the freedom of a person from deafness, defective vision or any other infirmity, mental or physical, likely to interfere with the efficient discharge of his duties, the medical practitioners appointed as examiners shall keep in view the standard laid down in First Schedule in these bye-laws. Notwithstanding these standards, however, if the examiners are of the opinion that any disability of the person is of such a nature and degree that it is not likely to interfere with the normal discharge of his duties for a period of five years, the examiners may declare the person to be fit.

(2) If the examiners are of the opinion that the disability of the person is of such a nature and degree that it can be cured or controlled such that it is no longer likely to interfere with the normal discharge of his duties, the examiners may recommend that the person may be directed to get his disability cured or controlled, as the case may be, and to submit himself to another medical examination within such period not exceeding six months as they may specify. The Chief Inspector may, at his discretion and subject to such conditions as he may specify by an order in writing, permit the person to continue to act in a statutory capacity during such period.

(3) The examiners shall submit their report in the form in Second Schedule to these bye-laws.

4. *Identity of the candidate.*—Every candidate shall bring with him to the place of examination the certificate of competency held by him, and shall produce the same (along with the authorisation issued to him for appearing at the examination) to the examiners for proving his identity.

5. *Successful candidates.*—The certificate of competency of every successful candidate shall be retained by the examiners who shall immediately after the examination, forward the same to the concerned Regional Inspector of Mines for endorsement. The certificate duly endorsed shall be returned to the candidate through the manager of the mine, if any, where he is employed.

6. *Provision for re-examination.*—Where the Chief Inspector is of the opinion that due to special circumstances it would be advisable for a candidate who has failed to satisfy the examiners in an examination aforesaid to be re-examined he may arrange for a re-examination of the candidate by other examiners. The fee stipulated in clause (b) of Regulation 30(1) shall be payable for every such re-examination. Bye-laws 1 to 5 above shall also apply to every such re-examination.

G. S. JABBI,

Chief Inspector of Mines  
&

Chairman, Board of (Metalliferous) Mining  
Examinations.

#### FIRST SCHEDULE

##### STANDARD OF PHYSICAL FITNESS

1. A candidate must be in good mental and bodily health and free from any physical defect likely to interfere with the efficient performance of his duties in the mine. In assessing the fitness of the candidate the Medical Board/Medical Officers shall make due allowance for the age of the candidate and the normal deterioration in health and physical fitness likely to occur at such age, so however that the arduous nature of the mining profession is kept in view :—

2. *Hearing in each ear* must be good and there should be no progressive disease in the ear.



3. The following *standard of visual acuity*, with or without glasses, should be strictly observed :—

- (a) For underground workers :
- |               |    |    |      |
|---------------|----|----|------|
| One eye       | .. | .. | 6/6  |
| The other eye | .. | .. | 6/12 |
| Or            |    |    |      |
| Each eye      | .. | .. | 6/9  |
- (b) For surface workers :
- |               |    |    |      |
|---------------|----|----|------|
| One eye       | .. | .. | 6/9  |
| The other eye | .. | .. | 6/18 |
| Or            |    |    |      |
| Each eye      | .. | .. | 6/12 |

Unocular persons should be declared unfit for underground work. For surface work unocular surface persons should have a vision of at least 6/12.

4. There should not be any *active disease* of the heart and lungs.

5. There should be no evidence of disease of *abdominal organs*.

6. If *hernia* is present and the Medical Board/Medical Officers are of the opinion that it can be effectively controlled by the use of truss, the candidate may be declared fit. In other cases he may be declared fit after a successful operation.

7. *Hydrocele*, if present, should not be large enough to impede his normal activities. If the hydrocele is large, the candidate may be declared fit after operation.

8. The *limbs* should be well formed and developed, and the function of all limbs should be within normal limits.

9. There should not be any *congenital malformation*, or defect, or any deformity likely to interfere with the candidate's normal duties.

10. The candidate should be free from Chronic Skin disease.

7. Respiratory system :

Chest Measurement :

- (i) after full inspiration  
(ii) after full expiration

8. Circulatory system :  
Blood pressure

9. Digestive system :

10. Liver :

11. Spleen :

12. Hydrocele :

13. Hernia :

14. Nervous system :  
Indications of nervous or mental disability, if any

15. Genitourinary System :

16. Locomotor system : Any abnormality

17. Skin :

18. Is there anything in the health of the candidate likely to render him unfit for efficient discharge of his duties ?

19. Remarks :

\* We consider that he is fit to continue to work in mines for a period of one/five\* years.

\*We consider him unfit to continue to work in mines because of.....(mention disability).

\* He is suffering from.....and we recommend that he should be directed to get this disability cured/controlled and to submit himself to a medical examination within a period of.....months. He may be permitted to carry on his normal duties during this period.

(\* Delete whichever is not applicable).

## SECOND SCHEDULE

### FORM—II

#### REPORT OF MEDICAL EXAMINATION

We do hereby certify that we have examined Shri \_\_\_\_\_ holder of certificate No. \_\_\_\_\_. His age by his own statement is \_\_\_\_\_ years and by appearance is \_\_\_\_\_ years. He has the following distinguishing marks :

(i)

(ii)

Our findings in respect of his health are as follows :

1. General development : Good/Fair/Poor

2. Height :

3. Weight :

4. Girth of Chest :

(i) After full inspiration

(ii) After full expiration

5. Eyes :

(i) Night blindness

(ii) Visual acuity, Distant vision :

Right eye

Left eye

6. Hearing :

Right ear

Left ear

Signature of Medical Officers

Place :

(i)

Date :

(ii)

#### EMPLOYEES' STATE INSURANCE CORPORATION

New Delhi, the 31st March 1967

No. INS. I. 22(1)-2/67(2)—In exercise of the powers conferred by sub-regulation (1) of Regulation 5 of the Employees' State Insurance (General) Regulations, 1950, I hereby determine that in the areas specified in the schedule given below the first contribution and first benefit period for Sets A, B and C shall begin and end in respect of persons in insurable employment on the Appointed day of midnight of 18th March, 1967 as indicated in the table given below :—

Set	First contribution period		First benefit period	
	Begins on	Ends on	Begins on	Ends on
	midnight of	midnight of	midnight of	midnight of
A ..	18-3-1967	29-7-1967	16-12-1967	27-4-1968
B ..	18-3-1967	30-9-1967	16-12-1967	29-6-1968
C ...	18-3-1967	27-5-1967	16-12-1967	24-2-1968

(ii) In pursuance of the proviso to section 47 of the Employees' State Insurance Act, 1948 (34 of 1948) the condition regarding minimum number of twelve contributions payable during a contribution period for entitlement to sickness benefit in the corresponding benefit period is hereby waived for the first contribution period in respect of the insured persons in the areas specified in the Schedule given below who are allotted Set C for whom the first contribution period begins on midnight of 18th March, 1967 and ends on 27-5-1967.

*Schedule :—*

- (i) Area within the limits of the town Municipality of T. Narsipur (Mysore District) and inclusive of the following

areas in and around the Municipal limits of T. Narsipur, namely :—

Survey Nos. 22,23,24,25 and 40 of T. Narsipur, in the State of Mysore.

- (ii) Area within the limits of the town Municipality of Kollegal (Mysore District) and inclusive of the following areas in and around the Municipal limits of Kollegal, namely :—

Survey Nos. 876 AB, 877 AB, 833-A, 884/1,884/2, 885. B1A, 885 B1C, 885 B2 and 739 of Kollegal in the State of Mysore.

T. C. PURI,  
*Director General*